

Wherefore, I/we claim:

1. A materials moving blade for attachment to a vehicle comprising:
 - a main blade defined by a first and second ends, a top edge, a bottom edge and a front and back surfaces;
 - a first sidewall and a second sidewall attached to and extending substantially perpendicular from the respective first and second ends of the main blade;
 - a first support gusset extending from a larger base portion connected to the front surface of the main blade to a smaller apex portion connected to the first sidewall;
 - a second support gusset extending from a larger base portion connected to the front surface of the main blade to a smaller apex portion connected to the second sidewall.
2. The materials moving blade for attachment to a vehicle as set forth in claim 1, wherein the first and second gusset are each formed as a conic section delineated by a side support edge connected to one of the first and second sidewalls and a base edge connected to the main blade.
3. The materials moving blade for attachment to a vehicle as set forth in claim 2, wherein the side support edge and the base edge of each of the conic section gussets are contiguously joined to the respective first and second sidewall and the main blade.
4. The materials moving blade for attachment to a vehicle as set forth in claim 3, wherein each of the first and second conic section gussets depends downward from the base portion attached to a substantially middle portion of the main blade to the apex portion of the gussets attached adjacent a lower edge of the respective first and second sidewalls.
5. The materials moving blade for attachment to a vehicle as set forth in claim 4, wherein each of said conic section gussets comprise a plurality of adjacent surfaces extending from a larger end attached to the main blade to a smaller end attached to the sidewall.
6. A materials moving box blade comprising:
 - a main blade defined by a first and second ends, a top edge, a bottom edge and a front and back surfaces;

a first sidewall and a second sidewall attached to and extending substantially perpendicular from the respective first and second ends of the main blade;

a first support gusset extending from a larger base portion connected to the front surface of the main blade to a smaller apex portion connected to the first sidewall;

a second support gusset extending from a larger base portion connected to the front surface of the main blade to a smaller apex portion connected to the second sidewall.

7. The materials moving box blade as set forth in claim 6, wherein the first and second gusset are each formed as a conic section delineated by a side support edge connected to one of the first and second sidewalls and a base edge connected to the main blade.

8. The materials moving box blade as set forth in claim 7, wherein the side support edge and the base edge of each of the conic section gussets are contiguously joined to the respective first and second sidewall and main blade.

9. The materials moving box blade as set forth in claim 8, wherein each of the first and second conic section gussets depends downward from the base portion attached to a substantially middle portion of the main blade to the apex portion of the gussets attached adjacent a lower edge of the respective first and second sidewalls.

10. The materials moving box blade as set forth in claim 9, wherein each of said conic section gussets comprise a plurality of adjacent surfaces extending from a larger end attached to the main blade to a smaller end attached to the sidewall.

11. A method of strengthening a materials moving box blade, the method comprising the steps of:

providing a main blade defined by a first and second ends, a top edge, a bottom edge and a front and back surfaces;

attaching a first sidewall and a second sidewall to and extending substantially perpendicular from the respective first and second ends of the main blade;

attaching a first support gusset extending from a larger base portion connected to the front surface of the main blade to a smaller apex portion connected to the first sidewall;

attaching a second support gusset extending from a larger base portion connected to the front surface of the main blade to a smaller apex portion connected to the second sidewall.